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Sci-Electr & Elect Eng
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ATIC F-28-9498/III

Sci - Chemistry
Jun 58

65,649

1. **Definition:** A **subgroup** of a group G is a subset H of G such that H is itself a group under the same operation as G .

Technical Director, Military Cryptanalytic School, Prague, 1944.

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FTD-TT-51-40

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5 Feb 62

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Sci Tr Center RT-1092

USSR

Military - Aircraft

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Jul 54 CTS

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Dec 69

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JPRS 14742

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ECON (SIMFEROPOL)
AUG 62

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Jan 63

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ITD-TT-63-978

Sci - Natl Sci & Tech
Jan 64

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SPASMOLYTIC AGENTS UPON THE COURSE OF
EXPERIMENTAL ATHEROSCLEROSIS. [1961] 1p.
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Partial trans. (summary, p. 24-25) of mono. Symposium, pp. Probleme Atherosklerose (Symposium on Atherosclerosis) [held at Leningrad] 1959.

DESCRIPTORS: *Atherosclerosis, *Drugs, *Kallicrein, Spasms, Inhibition, Cholesterol, Ascorbic acid, Adrenal glands, Pharmacology, *Hexonium

(Biological Sciences--Pharmacology, TT, v. 7, no. 11)

61-28716

- I. Title: Dibazol
1. Kharatuzov, N. A.
- II. Novikova, N. A.
- III. Title: Symposium

Office of Technical Services

The Influence of Neutron Irradiation on the
Electrical Resistance of Certain MX Metals, by
N. F. Pravdyuk, A. N. Ivanov, 34 pp.

RUSSIAN, paper, Symposium Po Radiatsionnym Pov-
rozhdeniyam V Tverdykh Telakh i Reaktornykh
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25/87. 9678825

FTD-TT-62-818

Sci-M/M
Dec 62

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Analogies on the Radiational Effects of Nuclear
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9678825

FTD-TT-62-818

Sci-Nu Phys
Dec 62

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Dec 62

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Stresses in Materials, by P. A. Platonov,
21 pp.

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Poverkhnostnyam V Tverdykh Tela i Reaktivnykh
Materialakh. Mezhdunarodnoye Agentstvo Po
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Effects of Neutron Irradiation on the Ordered
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FTD-TT-62-818

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Effect of Neutron Irradiation on the Electric Resistance
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Sci - Min/Metals
1 Jun 62

DETERMINATION OF THE BATH TEMPERATURE IN THE
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JPRS 22386

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May 60

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Jun 65

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AF Cambridge Res Center

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Sci - Geophys
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OTC 21151

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JPRS 19757

SC - BIOL & MED
JUN 63

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JPRS 252015

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Jan 634

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SF- 7200/12
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USSR/Sci-Slec

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IPST-2075

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Jun 66

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Lur'e, M. A. and Ignatyuk, V. A.
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IZATION OF 1,3-BUTADIENE OBTAINED BY
PYROLYSIS OF OIL DISTILLATES. [1961] 5p.
Order from OTS or SLA \$1.10 61-20363

Trans. of Sinteticheskii Kauchuk (USSR) 1932 [v. 1]
no. 3, p. 12-14.

DESCRIPTORS: Butadienes, Catalysts, Polymer-
ization, Oils, Pyrolysis, Fractionation.

(Unannounced)

61-20363

I. Lur'e, M. A.
II Ignatyuk, V. A.

IT-61-18027

IT-61-20363

Office of Technical Services

Shilov, E. A. SYNTHETIC RUBBER THROUGH 1,3-BUTANEDIOL. 11p Draft Order from OTS, S.A. or ETC \$1.00 TT-61-18095 Trans. of <u>Sinteticheskii Kautchuk</u> (USSR) 1932 [v. 1] no. 2, p. 5-12 (Materials)--Rubber, TT, v. 12, no. 3)	TT-61-18095 I. Shilov, E. A. Office of Technical Services
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Voronov, F. N., Voronova, A. V., Zlatopol'skii, F. S., Okhapkina, N. A. and Fedoseev, F. I. CRACKING OF ETHYLENE. 13p Brevé Order from OTS, STS, or ETC \$1.60 TT-61-18052 Trans. of Sinteticheskii Kautchuk (USSR) 1933 [v. 2] no. 3, p. 5-17. (Engineering-Chemical, TT, v. 12, no. 3)	TT-61-18052 I. Voronov, F. N. II. Voronova, A. V. III. Zlatopol'skii, F. S. IV. Okhapkina, N. A. V. Fedoseev, F. I. Office of Technical Services
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TT-61-16808

Kazanekil, B. A., Plate, A. P., and Arutyunyan, S. S.
COMPOSITION OF STILL RESIDUES FROM CAACK-
ING OIL TO 1,3-BUTADIENE [1961] 9p 14 refs
Order from OTS, SIA, or ETC \$1.10 TT-61-16808

I. Kazanekil, B. A.
II. Plate, A. P.
III. Arutyunyan, S. S.

Trans. of Statisticheskii Kautchuk (USSR) 1963 [v. 3]
no. 3, p. 13-18.

DESCRIPTION: *Kerosene, Distillation, *Butadienes,
Petrolenes, Benzenes, Toluenes, Pentadienes, *Hydro-
carbons, Pyrolysis.

(Engineering--Chemical, TT, v. 11, no. 4)

Office of Technical Services

TT-61-18030

Zelinskii, Ya. I., Denisenko, Ya. I.,
Evmenova, M. S., and Khromov, S. I.
SOME OBSERVATIONS ON POLYMERIZATION OF
BUTADIENE, ISOPRENE, DIMETHYLBUTADIENE AND
CYCLOHEXADIENE. 6p refs
Order from OTS, SLA, or ETC \$1.10 TT-61-18030

Trans. of Sovetskii Kauchuk (USSR) 1933 (v. 2)
no. 4, p. 11-14.

- I. Zelinskii, Ya. I.
- II. Denisenko, Ya. I.
- III. Evmenova, M. S.
- IV. Khromov, S. I.

(Engineering-Chemical, TT, v. 12, no. 3)

Office of Technical Services

Vasil'ev, A. A., Bulania, O. A., Volzhinskii, I. A., Ivanova, V. I., and Kogan, R. M. SEPARATION OF ACETALDEHYDE FROM 1,3- BUTADIENE. 9p Order from OTS, SILA, or ETC \$1.10 TT-61-16096 Trans. of <u>Sovetskii Kaucuk</u> (USSR) 1933 [v. 2] no. 5, p. 5-9. (Materials--Rubber, TT, v. 12, no. 4)	TT 61-16096 I. Vasil'ev, A. A. II. Bulania, O. A. III. Volzhinskii, I. A. IV. Ivanova, V. I. V. Kogan, R. M. Office of Technical Services
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Smirnov, N. I.
EFFECT OF TEMPERATURE AND CONTACT PERIOD
ON THE CONVERSION OF ETHYL ALCOHOL TO
1,3-BUTADIENE. 13p 4rads
Order from OTS, S.A., or ETC \$1.40 TT-61-18093
Trans. of Sinteticheskii Kachestv (USSR) 1934
[v. 3] no. 1, p. 13-22

(Engineering-Chemical, TT, v. 12, no. 3)

TT-61-18093

I. Smirnov, N. I.

Office of Technical Services

Kazanekii, R. A. and Rafil'son, I. A.
PREPARATION OF 3-BUTADIENE FROM 2-BUTINE.
Sp. Brede
Order from OTS, SLA, or ETC \$1.10 TT-61-16629

Trans. of Sinteticheskii Kauchuk (USSR) 1934
[v. 3] no. 1, p. 31-34.

(Engineering-Chemical, TT, v. 12, no. 3)

TT-61-16629

I. Kazanekii, R. A.
II. Rafil'son, I. A.

Office of Technical Services

Zavalkov, V. M.
TECHNOLOGY OF POLYMERIZATION OF 1,3-
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Order from OTS, SLA, or HTC \$2.60 TT-61-16680

Trans. of Simskhenskii Khimich. (USSR) 1934
(v. 3) no. 2, p. 15-29.

(Engineering--Chemical, TT, v. 12, no. 3)

TT-61-16680

I. Zavalkov, V. M.

Office of Technical Services

Kolman, L. S., Besmertnaya, N. S., Ivanova, E. A.,
Sibirskaya, G. N., and Zaprzygaev, G. A.
PRODUCTION OF 1,3-BUTADIENE AND AROMATIC
HYDROCARBONS BY PYROLYSIS OF HIGHER HYDRO-
CARBONS OF THE CONDENSATE OBTAINED IN
CONVERSION OF ETHYL ALCOHOL TO BUTADIENE.
9p. 1944.

Order from OTS, SLA, or ETC \$1.10 TT-61-16674

Trans. of Sinteticheskii Kauchuk (USSR) 1934
[v. 3] no. 3, p. 7-12.

(Engineering--Chemical, TT, v. 12, no. 3)

TT-61-16674

I. Kolman, L. S.
II. Besmertnaya, N. S.
III. Ivanova, E. A.
IV. Sibirskaya, G. N.
V. Zaprzygaev, G. A.

Office of Technical Services

Andreev, N. Z., Makashina, A. N., and Mal'tseva,
A. E.
INVESTIGATION, PURIFICATION AND POLYMERI-
ZATION WITH SODIUM OF 1, 3-BUTADIENE OBTAINED
BY PYROLYSIS OF OIL. 12p 9rubs
Order from OTS, SLA, or ETC \$1.60 TT-61-16677

Trans. of Sinteticheskii Kautchuk (USSR) 1934
[v. 3] no. 3, p. 12-19.

(Engineering-Chemical, TT, v. 12, no. 3)

TT-61-16677

I. Andreev, N. Z.
II. Makashina, A. N.
III. Mal'tseva, A. E.

Office of Technical Services

TT-61-16699

Kiyukhin, N. A.
SYNTHESIS OF 1,3-BUTADIENE FROM MIXTURES OF
ETHYLENE AND ACETYLENE. 6p
Order from OTS, SLA, or ETC \$1.10 TT-61-16699

N. Kiyukhin, N. A.

Trans. of Statekhskii Kauchuk (USSR) 1934
[v. 3] no. 3, p. 7-11.

(Engineering: Chemical, TT, v. 12, no. 3)

Office of Technical Services

Koblyanskii, G. G. and Livahts, I. A.
LOW BOILING COMPONENTS OF BUTADIENE MIX-
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SODIUM [1961] 8p
Order from OTS, SLA, or ETC \$1.10 TT-61-16951

Trans. of Sinteticheskii Kauchuk (USSR) 1934 (v. 3)
no. 4, p. 5-7.

TT-61-16951

I. Koblyanskii, G. G.
II. Livahts, I. A.

(Engineering-Chemical, TT, v. 12, no. 3)

Office of Technical Services

TT-61-16814

Shilov, E. A. and Yakimov, G. I.
 MATERIALS ON PREPARATION OF 1,3-BUTADIENE
 THROUGH 1,3-BUTANEDIOL: CONDENSATION OF
 ACETALDEHYDE TO ALDOL. [1961] 7p 6refs
 Order from OTS, SLA, or ETC \$1.10 TT-61-16814

Trans. of *Sinteticheski Kauchuk* (USSR) 1934 [v. 3]
 no. 4, p. 7-11.

DESCRIPTORS: *Butadienes, *Butanols, Condensation
 reactions, *Acetaldehydes, Synthesis (Chemistry),

- I. Title: Aldol
- I. Shilov, E. A.
- II. Yakimov, G. I.
- III. Title: Condensation ...

(Chemistry--Organic, TT, v. 11, no. 3)

Office of Technical Services

Dolgoplosk, B. A.
EXPLOSIVE CONCENTRATIONS OF GASES IN THE
SYNTHETIC RUBBER INDUSTRY. 15p 3rds
Order from OTS, SLA, or ETC \$1.00 TT-61-16930

Trans. of ~~Sinteticheskii Kauchuk~~ (USSR) 1934
[v. 3] no. 4, p. 30-35.

(Materials--Rubber, TT, v. 12, no. 3)

TT-61-16930

I. Dolgoplosk, B. A.

Office of Technical Services

Kraus, V. P. and Kogan, A. M.
ACTION OF SULFURIC ACID ON SYMMETRICAL
METHYLETHYLETHYLENE. [1961] 10p 13reds
Order from OTE, BIA, or ETC \$1.10 TT-61-16637

Trans. of Khimicheskii Komsomol (USSR) 1934 [v. 3]
no. 5, p. 25-26.

DESCRIPTORS: *Polymers, *Alcohols, Hydration,
Sulfuric acid, Polymers.

(Chemistry--Organic, TT, v. 11, no. 5)

TT-61-16637

I. Kraus, V. P.
II. Kogan, A. M.

Office of Technical Services

Lur'e, M. A., Maruskin, M. N., Chistov, V. D., and Shlezberg, M. A. REACTION OF CUPROUS CHLORIDE WITH DIENES. 10p Order from OTS, SLA, or ETC \$1.10. TT-61-6997 Trans. of Shtetinskii Kauchuk (USSR) 1934 (v. 3) no. 6, p. 13-18. (Engineering-Chemical, TT, v. 12, no. 3)	TT-61-6997 I. Lur'e, M. A. II. Maruskin, M. N. III. Chistov, V. D. IV. Shlezberg, M. A. Office of Technical Services
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Lur'e, M. A., Marushkia, M. N., Afanas'ev, M. M.,
Pimenov, A. I., and Vasil'eva, G. N.
**ISOLATION OF 1,3-BUTADIENE FROM MIXTURES
WITH OTHER GASES WITH CUPROUS CHLORIDE.**

18p 7refs

Order from OTS, SLA, or ETC \$1.60 TT-61-16908

Trans. of Stateichimicheskii Kauchuk (USSR) 1934 (v. 3)
no. 6, p. 19-29.

(Engineering-Chemical, TT, v. 12, no. 3)

TT-61-16908

I. Lur'e, M. A.
II. Marushkia, M. N.
III. Afanas'ev, M. M.
IV. Pimenov, A. I.
V. Vasil'eva, G. N.

Office of Technical Services

Lebedev, S. V., Gorin, Yu. A. and others
MECHANISM OF THE CONTACT CONVERSION OF
ALCOHOLS TO DIENE HYDROCARBONS. [1961] 11p.
21 refs.
Order from OTS or SLA \$1.60

61-18200

Trans. of Sinteticheski Kauchuk (USSR) 1935 [v. 4]
no. 1, p. 8-27.

DESCRIPTORS: Alcohols, Decomposition, Hydro-
carbon, Butadienes, Dienes, Synthesis.

(Unannounced)

61-18200

I. Lebedev, S. V.
II. Gorin, Yu. A.

Office of Technical Services

Chayanov, N. A. POLYMERIZATION OF 1,3-BUTADIENE WITH A SUSPENSION OF SODIUM. [1961] 3p. Order from OTS for SLA \$1.10 61-18119 Trans. of Sinteticheskii Kauchuk (USSR) 1935 (v. 4) no. 1, p. 28-32. DESCRIPTORS: Butadienes, Dienes, Polymerization, Catalysts, Catalysts, Sodium. [Unannounced]	61-18119 I. Chayanov, N. A. Office of Technical Services
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Pinkov, G. A. and Malinkina, A. S.
ADSORPTION OF BUTADIENE FROM SCRUBBED GASES
WITH ACTIVATED CARBON. 6p 1ref
Order from OTS, SLA, or ETC \$1.10 TT-61-11048

Trans. of Sovetskii Kauchuk (USSR) 1935
(v. 4) no. 1, p. 37-42.

(Engineering-Chemical, TT, v. 12, no. 3)

TT-61-11048

I. Pinkov, G. A.
D. Malinkina, A. S.

Office of Technical Services

Kravetz, V.E.
POLYMERIZATION (OF 1,3-BUTADIENE) WITH
MIXED CATALYSTS. [1961] 2p.
Order from CTS as SLA \$1.10 61-18118

Trans. of Sinteticheskii Kauchuk (USSR) 1935 (v. 4)
no. 1, p. 360.

DESCRIPTORS: Butadienes, Dienus, Polymerization, Catalysts, Catalysis.

61-18118

I. Kravtch, V. E.

(Unintentional)

Office of Technical Services

Zhukov, I. I., Strikovich, F. M., Talmud, S. L., Nikol'skaya, V. P. FRACTIONATION OF SODIUM-BUTADIENE POLY- MERS, 15p 12 refs Order from OTS, SLA, or ETC \$1.60 TT-61-16994 Trans. of <u>Statekhimi Kauchuk</u> (USSR) 1935 [v. 4] no. 2, p. 6-16. (Engineering-Chemical, TT, v. 12, no. 3)	TT-61-16994 I. Zhukov, I. I. II. Strikovich, F. M. III. Talmud, S. L. IV. Nikol'skaya, V. P. Office of Technical Services
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Fridshon, I. I., Tyul'neva, A. F., and Salomon, M. K. SEPARATION OF MIXTURES OF BUTADIENE AND 2-BUTENE. [1961] 9p. 6 refs. Order from CTS or SLA \$1.10	61-18126 I. Fridshon, I. I. II. Tyul'neva, A. F. III. Salomon, M. K.
Trans. of Khimicheskii Kauchuk (USSR) 1935 [v. 4] no. 3, p. 13-19.	
DESCRIPTION: Butadiene, Diene, Butenes. Mixtures. Separation.	

Beletskii, Yu. A. and Kakushina, A. P. COEFFICIENT OF EXPANSION OF CRUDE AND FRACTIONATED 1,3-BUTADIENE. [1961] 2p. Order from OTS or SLA \$1.10	61-20104 I. Beletskii, Yu. A. II. Kakushina, A. P.
Trans. of Sinteticheskii Kaucuk (USSR) 1935, [v. 4] no. 3, p. 21-22.	
DESCRIPTORS: Butadienes, Thermal expansion.	
(Unannounced)	Office of Technical Services

TT-61-18047

Shvenberger, V. I., Dolin, P. I., Zolotarev, S. S.,
Okhapkina, N. F., and Nikolaev, L. I.
FRACTIONATION OF GASES FROM PYROLYSIS OF
OIL WITH ACTIVATED CARBON. 11p 7refs
Order from OTS, SLA, or ETC \$1.60 TT-61-18047

Trans. of Sinteticheskii Kachuk (USSR) 1935 (v. 4)
no. 4, p. 13-23.

I. Shvenberger, V. I.
II. Dolin, P. I.
III. Zolotarev, S. S.
IV. Okhapkina, N. F.
V. Nikolaev, L. I.

(Engineering-Chemical TT v. 12, no. 5)

Office of Technical Services

Kozlov, N. and Gimpelevich, E.
DERIVATIVES OF VINYLACETYLENE. [1961] 5p
23refs
Order from OTS, SLA, or ETC \$1.10 TT-61-16827

Condensed trans. of Sinteticheski Kauchuk (USSR) 1935
(v. 4) no. 4, p. 31-35.

DISCRIPTORS: *Synthetic rubber, Vinyl radicals,
Acetylenes, Polymerization, Chloroprenes,

(Materials--Rubber, TT, v. 11, no. 3)

TT-61-16827

I. Kozlov, N.
II. Gimpelevich, E.

Office of Technical Services

Goria, Yu. A., Nulmark, O. M., and Kogan, F. N.
CHANGES IN THE PROCESS OF CONTACT CONVERSION OF ETHYL ALCOHOL TO BUTADIENE DUE TO PACING OF THE CATALYST. 6p 6refs
Order from OTS, SL, or ETC \$1.10 TT-61-18042

Trans. of Sinteticheskii Kauchuk (USSR) 1935 (v. 4) no. 3, p. 6-10.

(Engineering-Chemical. TT. v. 12, no. 3)

TT-61-18042

I. Goria, Yu. A.
II. Nulmark, O. M.
III. Kogan, F. N.

Office of Technical Services

TT-61-16600

Dolgoplosk, B. A.
QUANTITATIVE DETERMINATION OF DIOLIFINS BY
HYDROGENATION. [1961] 10p 18refs
Order from OTS, SLA, or ETC \$1.10 TT-61-16600

I. Dolgoplosk, B. A.

Trans. of Stateticheski Kauchuk (USSR) 1935 [v. 4]
no. 5, p. 11-18.

DESCRIPTORS: *Dienes, Hydrogenation, Quantitative
analysis.

(Chemistry--Analytical, TT, v. 11, no. 3)

Office of Technical Services

Lopatin, L. V. and Soldatov, B. Ya.
PLANT SCALE PRODUCTION OF DRYING OIL BY
POLYMERIZATION OF HYDROCARBONS OBTAINED
AS A BY-PRODUCT IN SYNTHETIC RUBBER
MANUFACTURE. [1961] 14p 4refs
Order from OTS, SLA, or ETC \$1.60 TT-61-16828

Trans. of Sinteticheskii Kauchuk (USSR) 1935 [v. 4]
no. 6, p. 27-29.

DESCRIPTORS: *Oils, Dehydration, Desiccants,
Hydrocarbons, Polymerization, Synthetic rubber,
Manufacturing methods, *Paints.

(Materials--Paints, TT, v. 11, no. 3)

TT-61-16828

I. Lopatin, L. V.
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Office of Technical Services

61-18121

Volzhinski, I. A., Kogan, G. M., and Netmark, O. M.
STABILITY OF BUTADIENE AT DIFFERENT TEMPERATURES IN THE PRESENCE OF LEBEDEV'S CATALYST. [1961] 7p. 8 refs.
Order from OTS or SLA \$1.10

61-18121

Trans. of Sinteticheskii Kauchuk (USSR) 1936 (v. 5) no. 1, p. 4-8.

DESCRIPTORS: Butadienes, Dienes, Temperature, Stability, Catalysts.

I. Title: Lebedev's catalysts
I. Volzhinski, I. A.
II. Kogan, G. M.
III. Netmark, O. M.

(Unannounced)

Office of Technical Services

Volzhinski, I. A., Zhegis, M. K. and others.
STABILITY OF BUTADIENE IN MIXTURES WITH
NITROGEN AT TEMPERATURES OF 250-500°.

(1961) 6p. 9 refs.

Order from OTS or SLA \$1.10

61-18120

Trans. of Sinteticheskii Kauchuk (USSR) 1936 [v. 5]
no. 1, p. 8-11.

DESCRIPTORS: Nitrogen, Butadienes, Dienes,
Mixtures, Temperature, Stability.

(Unannounced)

61-18120

I. Volzhinski, I. A.
II. Zhegis, M. K.

Office of Technical Services

Khokhlovkin, M. A. and Kalacheva, A. V.
DETERMINATION OF THE VAPOR DENSITY OF
1,3-BUTADIENE. [1961] Sp. 1 ref.
Order from OTS or SLA \$1.10 61-20105

Trans. of Khimicheskii Kauchuk (USSR) 1936 [v. 5]
no. 1, p. 28-30.

DESCRIPTORS: Butadienes, Vapor, Density.

(Unannounced)

61-20105

I. Khokhlovkin, M. A.
II. Kalacheva, A. V.

Office of Technical Services

Khokhlovkin, M. A., Kalacheva, A. V., and Smirnova, M. A. HEAT OF THE REACTION OF 2-BUTENE WITH SULFURIC ACID [1961] 4p. 6 refs. Order from OTS or SLA \$1.10 61-18213 Trans. of Sinteticheskii Kauchuk (USSR) 1936 [v. 5] no. 2, p. 12-14. DESCRIPTORS: Heat of reaction, Butenes, Sulfuric acid. (Unannounced)	61-18213 I. Khokhlovkin, M. A. II. Kalacheva, A. V. III. Smirnova, M. A. Office of Technical Services
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Lazarevskaya, A. V.
EFFECT OF LOW BOILING ADMIXTURES IN THE
BUTADIENE DISTILLATE ON ITS POLYMERIZATION
BY METALLIC SODIUM. Sp 3 refs
Order from OTS, SLA, or ETC \$1.10 TT-61-16676

Trans. of Sinteticheskii Kauchuk (USSR) 1936
[v. 5] no. 2, p. 17-19.

(Chemistry--Analytical, TT, v. 12, no. 3)

TT-61-16676

I. Lazarevskaya, A. V.

Office of Technical Services

Chernyskovskiy, T. P.
COLORIMETRIC DETERMINATION OF SMALL
AMOUNTS OF ACETYLENE IN BUTADIENE. Sp 3 refs
Order from OTS, S.L.A. or ETC \$1.10 TT-61-16685

Trans. of ~~Sinteticheskii Kauchuk~~ (USSR) 1936
[v. 5] no. 2, p. 29-31.

(Chemistry--Analytical, TT, v. 12, no. 3)

TT-61-16685

I. Chernyskovskiy, T. F.

Office of Technical Services

Koblyanskii, G. G. and Plotrovskii, K. B.
BUTADIENE AND ITS POLYMERS. I. 6p Reels
Order from OTS, S.L.A., or ETC \$1.40 TT-61-18029

Trans. of Sinteticheskii Kauchuk (USSR) 1936 (v. 5)
no. 3, p. 3-7.

(Engineering--Chemical, TT, v. 12, no. 3)

TT-61-18029

I. Koblyanskii, G. G.
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Office of Technical Services

Khothlovka, M. A. AUTOPOLYMERIZATION OF 1,3-BUTADIENE. Preliminary Communication. 6p Prefe Order from OTS, SLA, or ETC \$1.10 Trans. of <u>Khimicheskii Kauchuk</u> (USSR) 1936 (v. 3) no. 4, p. 12-14. (Materials - Rubber, TT, v. 12, no. 4)	TT-61-16691 1 Khothlovka, M. A. Office of Technical Services
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Dolgoplosk, B. A. and Korneev. MOLECULAR VOLUME OF 1,3-BUTADIENE UNDER DIFFERENT PRESSURES. [1961] 5p. 3 refs. Order from CTS or SLA \$1.10 61-20106 Trans. of Sinteticheskii Kauchuk (USSR) 1936 (v. 5) no. 4 p. 15-18. DESCRIPTORS: Butadienes, Volumetric analysis, Pressure. (Unclassified)	61-20106 I. Dolgoplosk, B. A. II. Korneev Office of Technical Services
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TT-6, 16949

Savel'ev, A. I., Arbidan, O. G., and Zlatogurski, A. V.

THERMAL POLYMERIZATION OF 1,3-BUTADIENE
IN THE PRESENCE OF BUTADIENE-SOLUBLE
COPPER SALTS OF SOME HIGH MOLECULAR
ORGANIC ACIDS. 8p refs

Order from OTS, ST A, or ETC \$1.10 TT 6, 16949

Trans. of Sinteticheskii Kautchuk (USSR) 1974 (v. 1)
no. 4, p. 18-22.I. Savel'ev, A. I.
II. Arbidan, O. G.
III. Zlatogurski, A. V.

(Engineering-Chemical, TT, v. 12, no. 3)

Office of Technical Services

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Bushmakina, I. N. and Kochinskaya, K. I.
COMPOSITION OF THE VAPOR AND LIQUID
PHASES AT EQUILIBRIUM IN THE SYSTEMS:
1,3-BUTADIENE - 2-BUTENE, 1,3-BUTADIENE -
ETHYL ALCOHOL, 1,3-BUTADIENE - ACETALDE-
HYDE, 1,3-BUTADIENE - DIETHYL ETHER. [1961]
Sp. 2 refs.
Order from OCS or SLA \$1.10

61-20107

Trans. of Khimicheskii Kachestv (USSR) 1936 [v. 5]
no. 5, p. 3-6.

DESCRIPTION: Vapors, Liquids, Chemical equilib-
rium, Butadienes, Butenes, Ethanols, Acetaldehydes,
Ethyl ethers.

(Unannounced)

I. Bushmakina, I. N.
II. Kochinskaya, K. I.

Office of Technical Services

Koblyanskii, G. G. and Rokityanskii, I. V.
BUTADIENE AND ITS POLYMERS, II. 8p 8refs
Order from OTS, SLA, or ETC \$1.10 TT-61-18028

Trans. of Sinteticheskii Kautchuk (USSR) 1936
[v. 5] no. 6, p. 2-7.

(Engineering-Chemical, TT, v. 12, no. 3)

TT-61-18028

I. Koblyanskii, G. G.
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Office of Technical Services

Livshits, I. A. and Simiatki, G. M.
CONTROL OF THE CONTACT PROCESS. [1961] 6p Srefa
Order from OTS, SLA, or ETC \$1.10 TT-61-16986
Trans. of Statisticheskii Kuchet (USSR) 1936 [v. 5]
no. 6, p. 17-21.

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I. Livshits, I. A.
II. Simiatki, G. M.

(Engineering-Chemical, TT, v. 12, no. 3)

Office of Technical Services

TT-61-16620

Krauze, V. P., Charakaya, K. N., and Korchmarek,
V. V.
POLYMERIZATION OF 1,3-PENTADIENE. 20p 12refs
Order from OTS, SIA, or ETC \$1.60 TT-61-16620

Trans. of Stannicheskii Kauchuk (USSR) 1936 [v. 5]
no. 7/8, p. 3-19.

I. Krauze, V. P.
II. Charakaya, K. N.
III. Korchmarek, V. V.

(Materials--Rubber, TT, v. 12, no. 4)

Office of Technical Services

TT-61-16672

Rokityanskii, I. V. and Lekakh, M. Yu.
POLYMERIZATION OF MIXTURES OF 1,3-BUTA-
DIENE WITH 2-BUTENE AND WITH PENTANE BY
SODIUM. 11p 8refs
Order from OTS, SLA, or ETC \$1.60 TT-61-16672

I. Rokityanskii, I. V.
II. Lekakh, M. Yu.

Trans. of Statisticheskii Kauchuk (USSR) 1936 (v. 5)
no. 9, p. 6-12.

(Materials--Rubber, TT, v. 12, no. 4)

Office of Technical Services

Dzivil'skii, V. I.
DETERMINATION OF WATER (IN BUTADIENE)
WITH TECHNICAL CALCIUM CARBIDE. [1961] 2p.
2 refs.
Order from OTS or SLA \$1.10 61-18181

Trans. of Stroitel'skii Kauchuk (USSR) 1936 [v. 5]
no. 10, p. 18.

DESCRIPTORS: Butadienes, Water, Determination,
Calcium compounds, Carbides.

(Unannounced)

61-18181

I. Dzivil'skii, V. I.

Office of Technical Services

Turbine, L. I.
TABLES FOR CALCULATION OF THE RESULTS OF
DETERMINATION OF WATER (IN BUTADIENE) BY
THE CARBIDE METHOD. [1961] 3p.
Order from OIS or SLA \$1.10 61-18180

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1. Turbin. l. l.

61-18180

Trans. of Sinteticheski Kauchuk (USSR) 1936
[v. 5] no. 10, p. 18-20.

DESCRIPTORS: Butadienes, Water, Determination, Tables, Carbides.

(Unannounced)

Office of Technical Services

TT-61-16987

Goria, Yu. A. and Kogan, F. N.
HYDROGENATION REACTIONS OCCURRING IN
CONTACT CONVERSION OF ETHYL ALCOHOL TO
1,3-BUTADIENE BY THE METHOD OF LEBEDEV. [1961]

Sp 5rals
Order from OTS, SLA, or ETC \$1.10 TT-61-16987

Trans. of State Chemical Kauchuk (USSR) 1936
[v. 5] no. 11/12 p. 6-9.

I. Goria, Yu. A.
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(Engineering-Chemical, TT, v. 12, no. 3)

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DESCRIPTORS: *organic compounds, *Silicon
compounds, Synthesis (Chemistry), Plastics, Rubber,
Polymers.

(Chemical Abstracts, 77, v. 10, no. 12)

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